BYEMAN
CONTROL SYSTEM

~~TST~~ NATIONAL RECONNAISSANCE OFFICE
WASHINGTON, D.C.

[redacted]

OFFICE OF THE DIRECTOR

24 Nov 69

MEMORANDUM FOR THE RECORD

SUBJECT: Studies of Reconnaissance Projects

We have agreed to conduct jointly several studies relating to reconnaissance problems and projects. These studies are to address the following questions:

1. What is the value of systems with higher resolution than our present capabilities? This study has been completed under the direction of a study group chaired by Dr. Ling.

2. What technological capabilities exist or may reasonably be expected in the near future to permit the development of real-time transmission of imagery? What are the comparative merits of competing technologies toward achieving this capability? What performance milestones should we expect in the next 18 months? This study has been established under Dr. Fubini and a report is expected in the spring of 1970.

3. What are the need, value, risks, and command and control problems associated with vulnerable peripheral SIGINT collection systems and what alternatives exist? This study is being conducted by Dr. Dinneen and will probably be completed by the end of this year.

4. What are the possibilities for developing an [redacted] how would it interface with other surveillance systems? This question will be addressed as part of a comprehensive Defense Science Board study [redacted] This report should be completed in early 1970.

5. How should we allocate resources among satellite-borne, airborne, and surface-based ELINT collection systems? We are establishing a study group now and formulating detailed terms of reference.

We agree that these questions are important and that the intelligence community can benefit by the results of these studies. The NRO and DDR&E staffs will cooperate in conducting the studies. The results of the studies will be used by both organizations in accordance with their respective responsibilities and authority.

[redacted]

John L. McLucas